

Experience API (xAPI) Overview

Slides by Andy Johnson

Contractor with Problem Solutions, LLC in support of the ADL Initiative

I/ITSEC Plugfest

3 December 2014

Orlando, FL

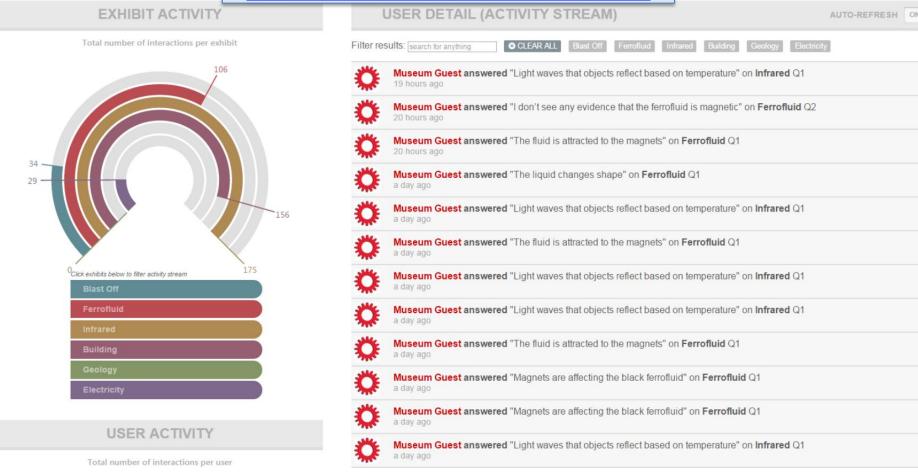




Tracks experiences (not just completions)

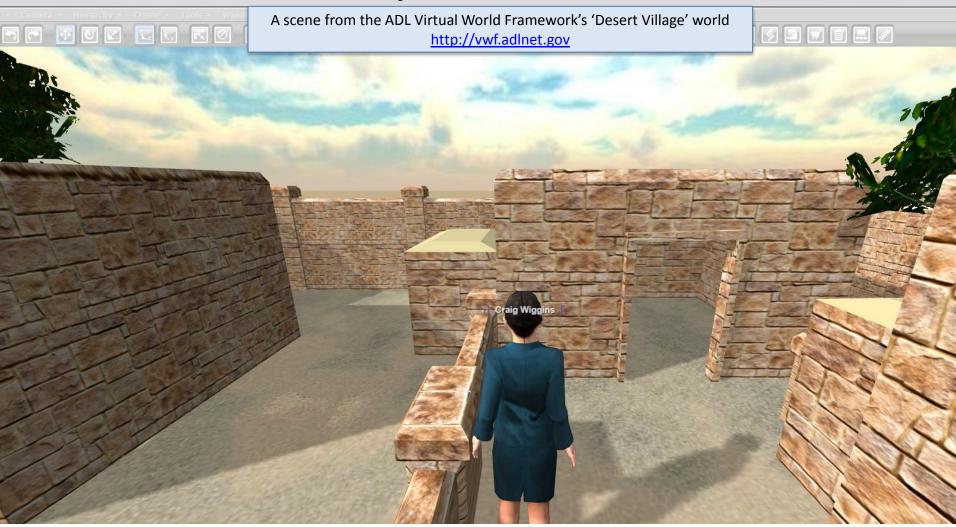
Dashboard from Torrance Learning's RFED project:

http://www.torrancelearning.com/rfed/dashboard/index.html



Allows for data storage and retrieval

(e.g., 3rd party reporting/analytics tools)



Puts gaming, mobile and virtual worlds in play



Developed by an open source community

Actor, Verb, Object

[actor] [verb] [object]

Nikolaus attended I/ITSEC

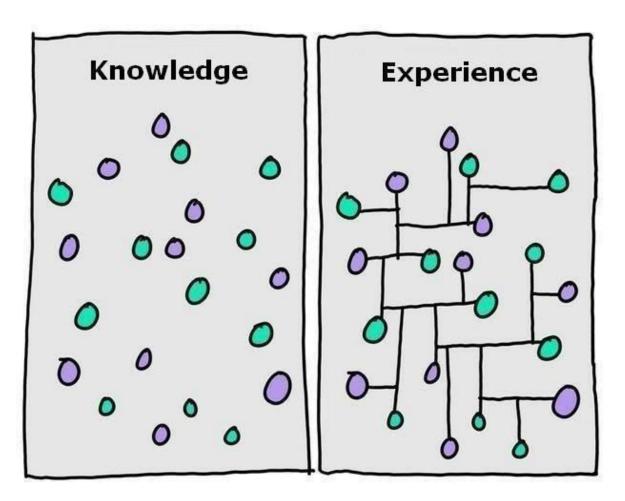
Nikolaus presented at I/ITSEC

Nikolaus read Steve Jobs biography

Nikolaus watched "iPhone 6 launch video"

Nikolaus attempted "The War of 1812, Part 1"
Nikolaus attempted "The War of 1812, Assessment"
Nikolaus answered "Question 1" with "True"
Nikolaus scored "90%" on "The War of 1812, Assessment"
Nikolaus mastered objective "The War of 1812" to level "1"
Nikolaus earned "The War of 1812 – Level 1 Badge"

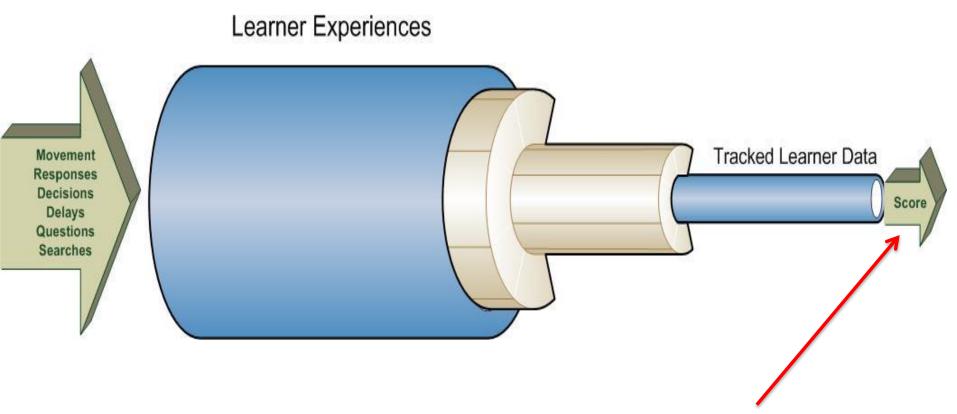
Experience = Growth



Reflection of experience is the best teacher.

Michael Quinn Patton

Experience API doesn't force you to filter



This is a fraction of what could be considered.

Experience API exposes 'stuck data'



You get to drink from the firehose (if you want to)

Easier Data Visualizations

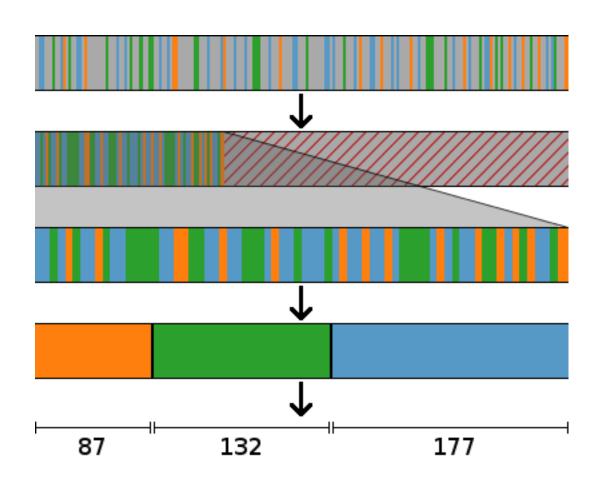
Raw xAPI statements

Separate relevant statements from irrelevant

Throw out irrelevant statements

Gather like statements into groups

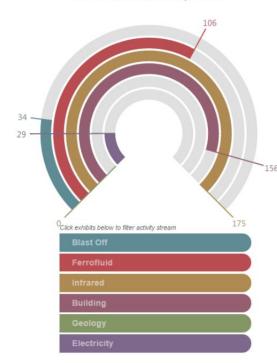
Aggregate each group into a single meaningful value



Easier Data Visualizations

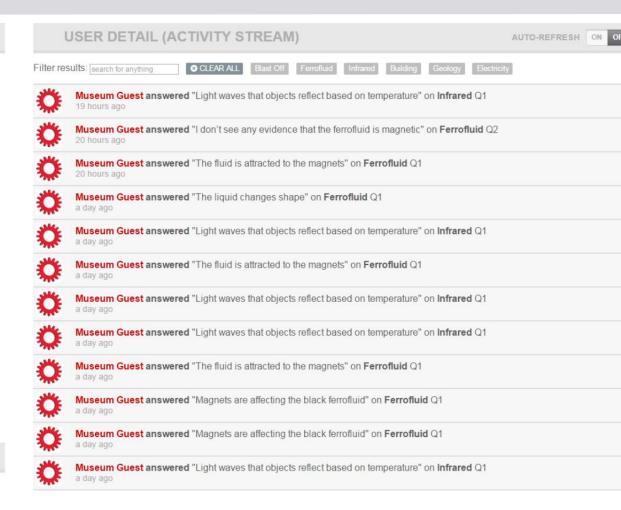
EXHIBIT ACTIVITY

Total number of interactions per exhibit



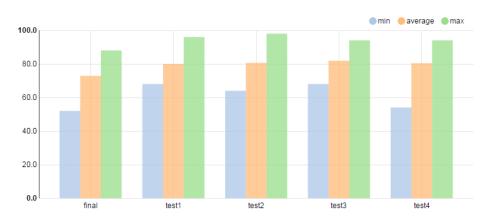
USER ACTIVITY

Total number of interactions per user

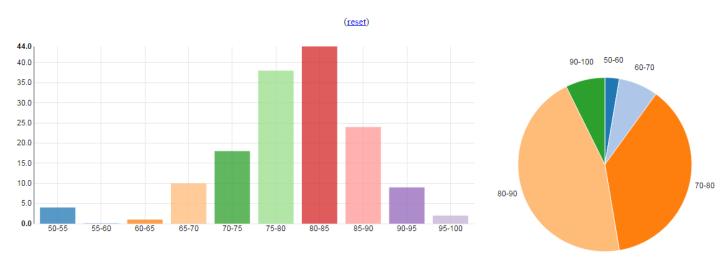


Easier Data Visualizations

Class Test Statistics



Class Scores For All Tests







andy.johnson.ctr@adlnet.gov
Resources: xapi.adlnet.gov





